

REMARKS

The above amendments are made in response to the Final Office action of September 20, 2007. The Examiner's reconsideration is respectfully requested in view of the following remarks.

Claims 1-24 are currently pending in the present Application. Claims 6-12 and 18-24 have been previously withdrawn. Claims 1, 2 and 4 have been amended and claim 3 has been cancelled, leaving Claims 1, 2, 4, 5 and 13-17 for further consideration upon entry of the present amendment and following remarks. Support for the claim amendments are at least found in the specification, figures and claims as originally filed.

Applicants cordially thank the Examiner for the indication of allowable subject matter with respect to claims 3-5 and 13-17.

No new matter has been introduced by these amendments. Reconsideration and allowance of the claims are respectfully requested in view of the following remarks.

Allowable Subject Matter

The Applicants gratefully thank the Examiner for the indication that claims 13-17 are in condition for allowance.

Claims 3-5 stand objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicants hereinabove amend claim 1 to include the limitations of claim 3 and claim 3 is accordingly cancelled without prejudice. Claim 4 is further amended to provide proper dependency to claim 1 based on the cancellation of claim 3.

Claims 1 and 2 have been amended to remove the amendments made in response to the previous Office action of March 27, 2007, wherein the Examiner indicated that claims 3-5 and 13-17 were allowable over the same references as the current Final Office action. In the March 27 Office action the Examiner indicated that claim 3 would be allowable if rewritten to include the limitations of independent claim 1 as written at that time. Therefore, the present amendment which returns claim 1 to the condition it was in as of the March 27 Office action (with the

exception of the incorporation of the allowable elements of claim 3) should also therefore be allowable.

Applicants respectfully submit that claim 1 is allowable in light of the above amendments. Applicants gratefully acknowledge the Examiner's noting the allowable subject matter in claims 4 and 5, but Applicant respectfully submits that independent claim 1 from which claims 4 and 5 variously depend, is allowable. As such, Applicants have not rewritten claims 4 and 5 in independent form at this time. Reconsideration, entry of the claim amendments and allowance of claims 1, 4 and 5 are respectfully requested.

Rejections Under 35 U.S.C. § 103

Claims 1 and 2 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Wei et al. (U.S. Patent Publication No. 2003/0137485 A1, hereinafter "Wei") in view of Funamoto et al. (U.S. Patent Publication No. 2003/0142118 A1, hereinafter "Funamoto") and further in view of Lee et al., U.S. Patent Publication No. 2002/0057247 A1 (hereinafter "Lee"). Applicants respectfully traverse.

Wei discloses in FIG. 3 a circuit diagram of a light source adjusting circuit. The light source adjusting circuit has a photo sensor (34) connected to an amplification circuit (44) that is further connected to a light source modulator (42) that is capable of spontaneously adjusting a back-light source (38) depending on an ambient illumination. As acknowledged by the Examiner, Wei does not disclose an inverter comprising an inverter controller including a control block which generates the carrier signal and the lamp driving signal, a time constant setting block which determines a time constant of the carrier signal, and an initiation block which resets the time constant given by the time constant setting block whenever pulses of the vertical synchronization signal are generated of amended claim 1, as including allowable subject matter of claim 3 (now cancelled).

Funamoto discloses a liquid crystal display apparatus including a motion detection circuit (2) for detecting the amount of motion of a display image based on the video signal and a PWM (pulse width modulation) modulation pulse generation circuit (4) for generating modulation pulses different in frequency according to the detection result from the motion detection circuit (2). (Figs. 1-3.) In FIG. 3 Funamoto specifically discloses a PMW modulation pulse generating

circuit (4) that includes a 240Hz PWM pulse generator (16) for generating a 240 Hz PWM modulation pulse synchronizing with the vertical synchronizing signal; a 60 Hz PWM pulse generator (18) for generating a 60 Hz PWM modulation pulse synchronizing with the vertical synchronizing signal; and a selector (20) for switching between the output of (16) and (18) based on the result of the motion detection by the motion detection circuit (2) and outputting the selected pulse as the modulation pulse. Funamoto controls the on-time of the lamp based in response to a motion detection signal from the motion detection circuit (2). (See, paragraph 0148.) Funamoto specifically discloses that the PWM modulation pulse generation circuit 4 generates the modulation pulse *based on the motion detection result from the motion detection circuit 2*, such as if the display image is a moving image or if the display image is a still image. (See, paragraph 0149.) The modulation pulse generated by the generators (16) or (18) merely synchronize with the vertical synchronizing signal, but form no basis for selection of the modulation pulse generated by the selector (20).

Applicants respectfully submit that there is no teaching, disclosure or suggestion in Funamoto disclosing the inverter controller includes a control block which generates the carrier signal and the lamp driving signal, a time constant setting block which determines a time constant of the carrier signal, and an initiation block which resets the time constant given by the time constant setting block whenever pulses of the vertical synchronization signal are generated of amended claim 1, as including allowable subject matter of claim 3 (now cancelled).

Lee discloses a liquid crystal display (“LCD”) for rapidly increasing the initial bend state of a liquid crystal molecule, and a driver and a method for performing the same. (See Abstract). Lee discloses an LCD display including a timing controller 100, a gate driver 200, a source driver 300 and an inverter 700. The timing controller 100 of Lee receives both a horizontal synchronization signal Hsync and a vertical synchronization signal Vsync. The timing controller 100 then outputs a horizontal start signal Hstart to the source driver 300 and a vertical start signal Vstart to the gate driver 200.

Applicants respectfully submit that there is no teaching, disclosure or suggestion in Lee disclosing the inverter controller includes a control block which generates the carrier signal and the lamp driving signal, a time constant setting block which determines a time constant of the carrier signal, and an initiation block which resets the time constant given by the time constant

setting block whenever pulses of the vertical synchronization signal are generated of amended claim 1, as including allowable subject matter of claim 3 (now cancelled).

Applicants submit that the inverter controller including a control block which generates the carrier signal and the lamp driving signal, a time constant setting block which determines a time constant of the carrier signal, and an initiation block which resets the time constant given by the time constant setting block whenever pulses of the vertical synchronization signal are generated, is neither taught nor rendered obvious by the cited references, either alone, or in combination. Accordingly, for at least these reasons, amended independent claim 1, and claims depending therefrom, i.e., claim 2 are in condition for allowance.

Conclusion

All of the objections and rejections are herein overcome. In view of the foregoing, it is respectfully submitted that the instant application is in condition for allowance. No new matter is added by way of the present Amendments and Remarks, as support is found throughout the original filed specification, claims and drawings. Prompt issuance of Notice of Allowance is respectfully requested.

The Examiner is invited to contact Applicants' attorney at the below listed phone number regarding this response or otherwise concerning the present application.

Applicants hereby petition for any necessary extension of time required under 37 C.F.R. 1.136(a) or 1.136(b) which may be required for entry and consideration of the present Reply.

If there are any charges due with respect to this Amendment or otherwise, please charge them to Deposit Account No. 06-1130 maintained by Applicants' attorneys.

Respectfully submitted,

By: /John W. Stankiewicz/
John W. Stankiewicz
Registration No. 60,169
Cantor Colburn LLP
55 Griffin Road South
Bloomfield, CT 06002
PTO Customer No. 23413
Telephone: (860) 286-2929
Fax: (860) 286-0115

Date: November 20, 2007